



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street SE
Charleston, WV 25304
(304) 926-0450
(304) 926-0452 fax

Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
www.dep.wv.gov

November 05, 2014

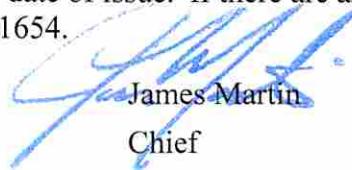
WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-5300261, issued to ENERVEST OPERATING L. L. C., is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. The above named operator will also file, as required in WV Code 22-6-23, an affidavit on form WR-38 by two experienced persons in the operator's employment and the Oil and Gas inspector that the work authorized under this permit was performed and a description given. Failure to abide by all statutory and regulatory provisions governing all duties and operations here under may result in suspensions or revocation of this permit and in addition may result in civil and/or criminal penalties being imposed upon the operator.

This permit will expire in two (2) years from date of issue. If there are any questions, please free to contact me at (304) 926-0499 ext. 1654.



James Martin
Chief

Operator's Well No: 998
Farm Name: McDERMITT, FRANK
API Well Number: 47-5300261
Permit Type: Plugging
Date Issued: 11/05/2014

Promoting a healthy environment.

PERMIT CONDITIONS

West Virginia Code §22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

CONDITIONS

1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
3. Well work activities shall not constitute a hazard to the safety of persons.
4. This well is under a consent order and must be plugged under the terms of that agreement.

1) Date _____, 20____
2) Operator's
Well No. Frank McDermitt #1-998
3) API Well No. 47-053 - 00261

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

47-053-00261P

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

- 4) Well Type: Oil ____/ Gas X/ Liquid injection ____/ Waste disposal ____/
(If "Gas, Production ____ or Underground storage ____) Deep ____/ Shallow X
- 5) Location: Elevation 625' ? Watershed Robinson Run
District Cooper County Mason Quadrangle New Haven 7.5
New Haven (7.5) Ravenswood (15)
- 6) Well Operator EnerVest Operating, L.L.C. 7) Designated Agent Barry K. Lay
Address 300 Capitol Street, Suite 200 Address Same
Charleston, WV 25301
- 8) Oil and Gas Inspector to be notified Name Jamie Stevens
Address 105 Kentuck Road
Kenna, WV 25248
- 9) Plugging Contractor Name R. L. Wharton Enterprises LTD
Address 261 Shiloh Lane
Buckhannon, WV 26201

- 10) Work Order: The work order for the manner of plugging this well is as follows:

Mobilize equipment to site. Rig-up rig.

6% Gel 3272' to 0 Use type 1 cement in all plugs

Cement 3272' to 2800'

Cement 200' at 4 1/2" pipe cut estimate 1900'

Cement 100' at elevation 850'

Cement 600' to 500'; Cement 100' to 0.

Erect a monument with the API number attached.

Note: Well records included.

Existing Pipe
3239' 4.5-
1325'
Conduct.
1885' 4.5-
630'
Conduct
256' 4.5-
10' 4.5

✓ OK if unable to cut move up.
100' at a time &
try again.
Cut 3' pull 4"
100' plug at cut.
could be 2850'
plugging note

Elevation
625'
from
Well
Record.

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Office of Oil and Gas

SEP 19 2014

Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector

Jamie Stevens

Date

9/11/2014

WV Department of
Environmental Protection



State of West Virginia

Department of Mines
Oil and Gas Division

Date January 13, 1982
Operator's
Well No. #998
Farm Frank McDermitt
API No. 47 - 053 - 0261

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas X / Liquid Injection / Waste Disposal /
(If "Gas," Production X / Underground Storage / Deep / Shallow X /)

LOCATION: Elevation: 624.65 Watershed Robinson Run
District: Cooper County Nason Quadrangle New Haven 7-1/2

COMPANY DEVON ENERGY CORPORATION
ADDRESS Box 1433, Charleston, W. Va. 25325
DESIGNATED AGENT Arthur C. Youse
ADDRESS Box 1433, Charleston, W. Va. 25325
SURFACE OWNER Frank McDermitt
ADDRESS Rt. 2, Letart, W. Va. 25253
MINERAL RIGHTS OWNER Same as above
ADDRESS _____
OIL AND GAS INSPECTOR FOR THIS WORK Kenneth
Butcher ADDRESS Barboursville, W. Va.
PERMIT ISSUED August 17, 1981
DRILLING COMMENCED August 24, 1981
DRILLING COMPLETED August 28, 1981
IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON _____

Casing Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cord.			
9 5/8	256	256	To surface
8 5/8			
7	1885	537	630 feet
5 1/2			
4 1/2		3239	1325 feet
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Devonian Brown Shale Depth 3200 feet
Depth of completed well 3272 feet Rotary XX / Cable Tools _____
Water strata depth: Fresh _____ feet; Salt _____ feet
Coal seam depths: None reported Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Devonian Brown Shale Pay zone depth 2830-3075 feet
Gas: Initial open flow Show Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow 101 Mcf/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests 4 hours
Static rock pressure 540 psig (surface measurement) after 48 hours shut in
(If applicable due to multiple completion--)(12/01 P.P. = 675)
Second producing formation _____ Pay zone depth _____ feet
Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ Mcf/d Oil: Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ hours
Static rock pressure _____ psig (surface measurement) after _____ hours shut in

(Continue on reverse side)

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Perforated 4-1/2" casing 2830 to 3075 with 24 shots.

Fractured Brown Shale with 220 bbls. water, 55,000# sand and 480,000 SCF nitrogen.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Shale			0	119	
Sand			119	141	
Shale			141	418	
Sand			418	435	
Shale			435	520	
Sand			520	546	
Shale			546	674	
Sand			674	742	
Shale			742	858	
Sand			858	890	
Shale			890	914	
Salt Sand			914	1012	
Shale			1012	1156	
Sand			1156	1162	
Shale			1162	1182	
Big Lime			1182	1284	
Shale			1284	1294	
Injun Sand			1294	1341	
Shale			1341	1753	
Coffee Shale			1753	1768	
Berea Sand			1768	1797	
Gray Shale			1797	2829	
Brown Shale			2829	3174	
Gray Shale			3174	3272	
Log Total Depth				3272	

(Attach separate sheets as necessary)

DEVON ENERGY CORPORATION

Well Operator

By:

A. C. Youse, Area Expl. Mgr.

Date: January 13, 1982

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Office of Oil and Gas

Note: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."

Environmental Protection

FRANK MCDERMITT
Cooper District
Permit: MAS-261

DEVON NO. 998
Mason County
Elev: 635 KB

LEASE NO. 4928

47-053-00261-P.
Emerest
plugging
9/11/2014
JP

- 8/22/81 Eva Miller's D6 dozer worked 6 hours digging pit.
- 8/23/81 Location complete. Moving in Clint Hurt Rig #7.
- 8/24/81 Depth: 292'. Footage: 292'. Pr. Op.: Waiting on cement. Spud hole at 4 P.M. 8/24/81. Ran 9 joints of 10 3/4" casing totaling 256.70' set at 266.70' KB. Cemented with 130 sacks of regular cement with 3% calcium. Plug down at 11:15 P.M. 8/24/81. Hauled 2-200 barrel frac tanks on location. Eva Miller's D6 dozer worked 13 hours towing Clint Hurt Rig #7 on location. Hauled 250' of 10 3/4" casing.
- 8/25/81 Depth: 1247'. Footage: 955'. Pr. Op.: Drilling with fluid. Eva Miller's D6 dozer worked 4 hours towing Devon's pipe truck with 1900' of 7" casing.
- 8/26/81 Depth: 1911'. Footage: 664'. Pr. Op.: Reached 7" casing point at 6:00 A.M. 8/27/81.
- 8/27/81 Depth: 2080'. Footage: 169'. Pr. Op.: Drilling with foam. Basin Surveys ran a GR-Density, Neutron, and Induction Logs. Ran 59 joints of 7" casing totaling 1879' set at 1889' KB. Set back-off nipple at 769' from total depth. Reached total depth at 1:30 A.M. 8/27/81. One joint of 7" casing was left on location. Dowell cemented with 75 sacks of 50/50 Pozmix with 3% calcium. Plug down at 3 P.M. 8/27/81.
- 8/28/81 Depth: 3300'. Footage: 1220'. Pr. Op.: Waiting for cement trucks. Reached total depth at 8:30 P.M. 8/28/81. Basin Surveys ran a GR-Density, Temperature and Induction Logs. Log shows total depth to be 3272'. Ran 78 joints of 4 1/2" casing totaling 3239.51' set at 3249.51' KB. Baffle set at 3232'. Dowell cemented with 150 sacks of 50/50 Pozmix with 10% salt and 1/4# Floccel blended. Plug down at 9:30 A.M. 8/29/81. Gas tested - 0 - at total depth. Hauled 3275' of 4 1/2" casing to location.
- 8/29/81 Depth: 3300'. Footage: 0. Pr. Op.: Ready for completion rig. Eva Miller's D6 dozer worked 7 hours towing Rig #7 off location.

ELECTRIC LOG TOPS

Base of Pennsylvanian	1182 -
Big Lime	1182-1284
Injun Sand	1294-1341 -
Coffee Shale	1753-1768
Berea Sand	1768-1797 -
Brown Shale	2829-3184
Log Total Depth	3272

Elevation
625'

- 8/30/81 Eva Miller's D6 dozer worked 6 hours towing Rig #7 off location.

Office of Oil and Gas

SEP 19 2014

MASSACHUSETTS
Envir. Protection

FRANK MC DERMITT

DEVON NO. 998

47-053-00261P.
Ernest
Plugging
JES
9/11/2014

- 9/01/81 McCullough ran a cement bond log between 4235' and 1800'. Cement top at 1920'. Swabbed well dry and pulled 2 joints of 7" casing.
- 9/02/81 Petro Service Rig #15 on location. Pulled 41 joints of 7" casing totaling 1348'.
- 9/03/81 Petro Rig #15, Halliburton and McCullough on location. Halliburton dumped 500 gallons 15% HCl Acid with 5 barrels of water. McCullough perforated with 24 shots between 2830' and 3075'.
- 9/04/81 B. J. Hughes, Halliburton and Petro Service Rig #15 on location. Frac'd the Brown Shale Formation using 75 quality foam with 2800# pressure. Ran a total of 15,000# 80/100 sand, 40,000# 20/40 sand, 480,000 SCF nitrogen, 220 barrels of fluid, of which 190 barrels were sand laden fluid. Average fluid injection rate-11 barrels per minute; average nitrogen rate-31,000 SCF per minute. Maximum pressure 2800#; average pressure 2480#. ISIP 1200#. After 5 minutes-1100#. Devon's FA-10B dozer worked 8 hours towing in frac trucks.
- 9/05/81 Petro Service Rig #15 on location. Well making 10' fluid per hour. Swabbed well dry. Found 20' of sand in hole; pumped sand out.
- 9/08/81 Moved Petro Rig #15 off location to Ripley Yard. Devon's FA-10B dozer worked 8 hours cleaning up location and pit.
- 9/11/81 Pressure on 4 1/2" casing-540#. Open flow test after 2 hours-6.8", mercury through 3/4" plate=136 MCF/D; 3 hours-4.0", mercury through 3/4" plate=103 MCF/D; 4 hours-3.8" mercury through 3/4" plate=101 MCF/D.
- 10/08/81 Devon's FA-10B dozer worked 4 hours filling in pit.
- 10/09/81 Devon's FA-10B dozer worked 4 hours cleaning up location and pit. Hauled 3-200 barrel frac tanks from location to Ripley Yard.
- 11/05/81 Hauled 3-200 barrel frac tanks to location.
- 12/11/81 48 hour rock pressure 675#.
- 1/31/82 Nothing to report.
- 2/28/82 Nothing to report.
- 3/31/82 Nothing to report.
- 4/30/82 Nothing to report.
- 5/31/82 Nothing to report.
- Drop From Report Until Further Activity
- 8/31/82 Hooking up house meter.

✓ I placed this well while working for Halliburton
Jimie Starnes
was running a truck
Jimie Starnes
Tune Mitchell
Engineer for Big H.
Frank Nestor
on Blonder.

Office of Oil and Gas

SEP 1 1981

Environmental Protection

FRANK McDERMITT

#998

8/31/83 Hooked up well, drip and meter.
9/06/83 Built fence.
9/08/83 Turned well in line. Rock pressure 675#.
9/14/83 Line pressure 70-2", 2" x 1/2" plate= 21 M/D.
9/20/83 Line pressure 62-2", 2" x 1/2" plate= 20 M/D.
9/22/83 Line pressure 62-2", 2" x 3/8" plate= 11 M/D.
9/26/83 Line pressure 58-3", 2" x 3/8" plate= 13 M/D.
9/28/83 Line pressure 62-2", 2" x 3/8" plate = 11 M/D.
10/31/83 Repaired leak.
6/11/84 Painted well, meter and tank.

NY-053-00261P.

QSS.

9/11/2014

Envirovest
plugging.

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Office of Oil and Gas

SEP 11 2014

Environmental Protection

1) Date: _____
2) Operator's Well Number
Frank McDermitt #1-998
3) API Well No.: 47 - 053 - 00261

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL

4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Brian E. McDermitt</u>	Name _____
Address <u>6416 Sassafrass Rd. ✓</u>	Address _____
<u>Letart, WV 25253-9670</u>	
(b) Name _____	(b) Coal Owner(s) with Declaration No Declaration of
Address _____	Name <u>Central Coal Company</u> Record
	Address <u>1 Riverside Plaza</u>
	<u>Columbus, OH 43215</u>
(c) Name _____	Name <u>Gatling Mineral, L.L.C.</u>
Address _____	Address <u>5260 Irwin Road</u>
	<u>Huntington, WV 25705-3274</u>
6) Inspector <u>Jamie Stevens</u>	(c) Coal Lessee with Declaration
Address <u>105 Kentuck Road</u>	Name _____
<u>Kenna, WV 25248</u>	Address _____
Telephone <u>304-206-7775</u>	

TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

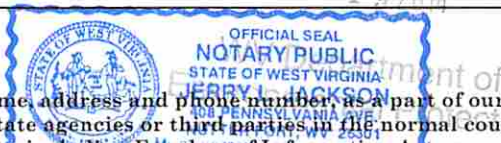
Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.

Well Operator	<u>EnerVest Operating, L.L.C.</u>
By:	<u>Barry K. Lay</u> <i>Barry K Lay</i>
Its:	<u>Senior Vice President and General Manager, Appalachia West Assets</u>
Address	<u>300 Capitol Street, Suite 200</u>
	<u>Charleston, WV 25301</u>
Telephone	<u>304-343-5505</u>

Subscribed and sworn before me this 11th day of August, 2014
[Signature] Notary Public
My Commission Expires May 3, 2017

Oil and Gas Privacy Notice

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.





EnerVest Operating, L.L.C.
Eastern Division

1064 Old Route 33, Weston, WV 26452-7722
Phone (304) 517-1102 Fax (304) 517-1107

VIA CERTIFIED MAIL

August 18, 2014

Mr. Brian McDermitt
6416 Sassafrass Road
Letart, WV 25253-9670

Re: Plugging Permit Frank McDermitt #1 998
API# 47-053-00261
Cooper District, Mason County, WV

Dear Surface Owner:

Pursuant to Chapter 22 of the West Virginia Code, enclosed please find copies of the following documents for the proposed plugging of the subject well:

- Form WW-7 Well Location Form: GPS
- Form WW-9 Construction and Reclamation Plan and Site Registration Application
- Form WW-4A Notice of Application to Plug and Abandon a Well
- Form WW-4B Application for a Permit to Plug and Abandon
- Surface Owner Waiver (2 copies)

This application is being filed by EnerVest with the Administrator of the Office of Oil and Gas of the West Virginia Department of Environmental Protection. Any objections to the proposed process for the plugging of the well, or a Statement of No Objection on the Surface Owner Waiver, should be filed in the office in the enclosed envelope.

Comments as to the location construction or the proposed plugging of the well under the West Virginia Code, be filed by you with the said Administrator. The Application is filed by EnerVest. The address of the filing comments and obtaining additional information is:

Permit Administrator
West Virginia Division of Environmental Protection
Office of Oil and Gas
601 57th Street, SE
Charleston, WV 25304

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Postage	\$ 91
Certified Fee	3.30
Return Receipt Fee (Endorsement Required)	1.70
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 6.91

SEP 19 2014

Sent To: Brian E. McDermitt
Street, Apt. No., or PO Box No.: 6416 Sassafrass Road
City, State, ZIP+4: Letart, WV 25253-9670

PS Form 3800, August 2006 See Reverse for Instructions



EnerVest Operating, L.L.C.
Eastern Division

1064 Old Route 33, Weston, WV 26452-7722
Phone (304) 517-1102 Fax (304) 517-1107

VIA CERTIFIED MAIL

August 18, 2014

Central Coal Company
1 Riverside Plaza
Columbus, OH 43215

Re: Plugging Permit Frank McDermitt #1-998
API# 47-053-00261
Cooper District, Mason County, WV

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Permit Administrator
West Virginia Division of Environmental
Office of Oil and Gas
601 57th Street, SE
Charleston, WV 25304

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Restricted Delivery Fee (Endorsement Required)	\$ 0.00
Total Postage & Fees	\$ 6.21
Sent To: Central Coal Company	
Street, Apt. No., or PO Box No.: 1 Riverside Plaza	
City, State, ZIP+4: Columbus, OH 43215	
PS Form 3800, August 2006	
See Reverse for Instructions	

TURNER
Postmark
SEP 18 2014
U 14



EnerVest Operating, L.L.C.
Eastern Division

1064 Old Route 33, Weston, WV 26452-7722
Phone (304) 517-1102 Fax (304) 517-1107

VIA CERTIFIED MAIL

August 18, 2014

Gatling Mineral, L.L.C.
5260 Irwin Road
Huntington, WV 25705-3274

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API# 47-053-00261
Cooper District, Mason County, WV

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Permit Administrator
West Virginia Division of Environment
Office of Oil and Gas
601 57th Street, SE
Charleston, WV 25304

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Return Receipt Fee (Endorsement Required)	2.70
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 6.91

Sent To: Gatling Mineral, L.L.C.
Street, Apt. No., or PO Box No.: 5260 Irwin Road
City, State, ZIP+4: Huntington, WV 25705-3274

PS Form 3800, August 2006 See Reverse for Instructions

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM
GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

Operator Name EnerVest Operating, L.L.C. OP Code 30-9999

Watershed Robinson Run Quadrangle New Haven (7.5) Ravenswood (15)

Elevation 625' County Mason District Cooper

Description of anticipated Pit Waste: No Pit To Be Built ✓

Will a synthetic liner be used in the pit? N/A

Proposed Disposal Method For Treated Pit Wastes:

- ☐ Land Application
☐ Underground Injection (UIC Permit Number _____)
☐ Reuse (at API Number _____)
☐ Off Site Disposal (Supply form WW-9 for disposal location)
☐ Other (Explain _____)

Proposed Work For Which Pit Will Be Used:

- ☐ Drilling ☐ Swabbing
☐ Workover ☐ Plugging
☐ Other (Explain No Pit To Be Built)

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature Barry K. Lay

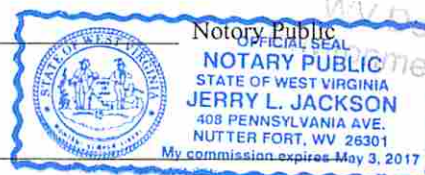
Company Official (Typed Name) Barry K. Lay

Company Official Title Senior Vice President and General Manager, Appalachia West Assets

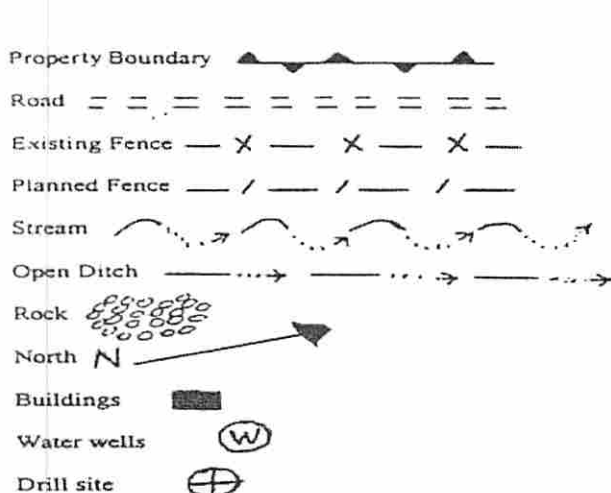
Subscribed and sworn before me this 11th day of August, 2014

[Signature]

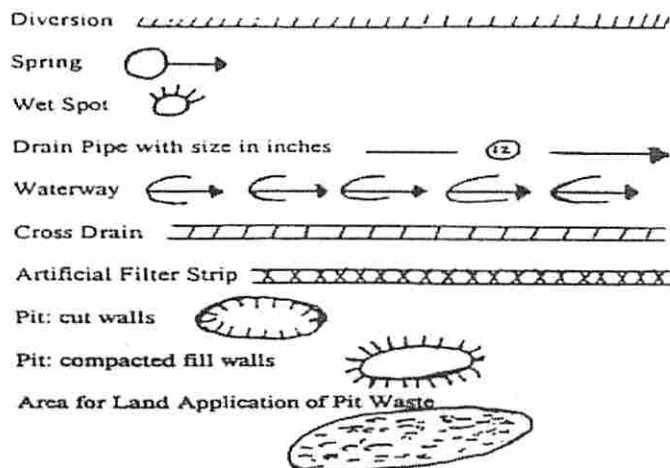
My commission expires May 3, 2017



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LEGEND



Proposed Revegetation Treatment: Acres Disturbed 2.00 *or less* Prevegetation pH 6.5

Lime according to pH test Tons/acre or to correct to pH 7.0

Fertilizer (10-20-20 or equivalent) 500 lbs/acre (500 lbs minimum)

Mulch Hay or Straw 2 Tons/acre

Seed Mixtures

Seed Type	Area I	lbs/acre
Orchardgrass		25
Birdsfoot Trefoil		15
Ladino Clover		10

Seed Type	Area II	lbs/acre
Orchardgrass		25
Birdsfoot Trefoil		15
Ladino Clover		10

Attach:

Drawing(s) of road, location, pit and proposed area for land application.

Photocopied section of involved 7.5' topographic sheet.

See Attached GPS Well Location Form: GPS WW-7

Plan Approved by: *Jimie Stevens*

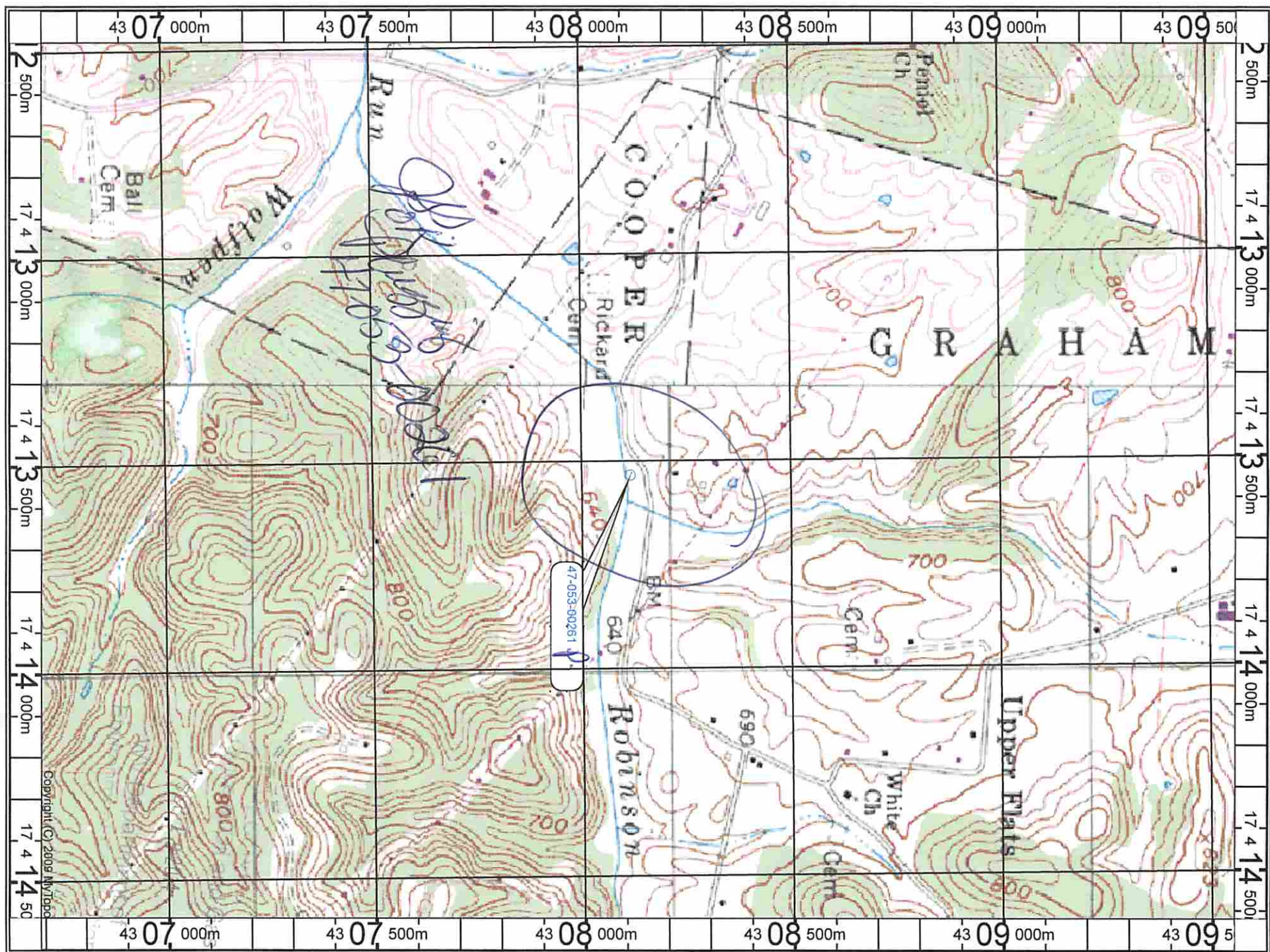
Comments: _____

Title: *Inspector*

Date: *9/11/2014*

Field Reviewed? () Yes () No

SEP 19 2014
WV Department of
Environmental Protection





West Virginia Department of Environmental Protection
Office of Oil and Gas
WELL LOCATION FORM: GPS

API: 4705300261 WELL NO.: Frank McDermitt 1-998

FARM NAME: Billy E. McDermitt

RESPONSIBLE PARTY NAME: Barry K. Lay

COUNTY: Mason DISTRICT: Cooper 4

QUADRANGLE: New Haven (7.5) Ravenswood (15)

SURFACE OWNER: Brian E. McDermitt

ROYALTY OWNER: Brian E. McDermitt et al

UTM GPS NORTHING: 4308124.8

UTM GPS EASTING: 413534.8 GPS ELEVATION: 625

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:

Survey grade GPS ____: Post Processed Differential ____

Real-Time Differential ____

Mapping Grade GPS ____: Post Processed Differential ____

Real-Time Differential ____

4. **Letter size copy of the topography map showing the well location.**

I the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas.

Barry K Lay
Signature

Sr. VP: GM
Title

8/11/14
Date

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Office of Oil and Gas
August 19 2014
Department of
Environmental Protection
West Virginia Department of